

AMENDMENT TO THE CLAIMS

Claim 1 (currently amended). A composition, comprising:

at least one biomolecule; and

an electromagnetic energy absorbing metal susceptor,

wherein said biomolecule is chemically bound to said susceptor.

Claims 2-4 (canceled).

Claim 5 (original). The composition of claim 1, wherein said biomolecules form a dimer via a chemical bond, said dimer associated with said electromagnetic energy absorbing species via said same chemical bond or via a different chemical bond.

Claims 6-7 (canceled).

Claim 8 (previously presented). The composition of claim 1, wherein the biomolecule is a protein.

Claim 9 (currently amended). The composition of claim 1, wherein the biomolecule is a component of biomaterial.

Claims 10-11 (canceled).

Claim 12 (previously presented). The composition of claim 1, wherein the susceptor forms a dipole.

Claim 13 (previously presented). The composition of claim 1, wherein said electromagnetic energy absorbing metal susceptor comprises matter with non-zero electrical conductivity.

Claim 14 (canceled).

Claim 15 (previously presented). The composition of claim 13, where said matter is an ionomer, a conducting polymer, an alkali metal, a transition metal, a lanthanide, or a metalloid or a combination thereof.

Claim 16 (previously presented). The composition of claim 13, where said matter is titanium alloy.

Claim 17 (previously presented). The composition of claim 16, where said matter is a metal nano- or micro-particle, a semiconducting nano- or micro-particle, a magnetic nano- or micro-particles, a polystyrene encapsulated metal particle, a buckminsterfullerene, or liposome encapsulated metal particles.

Claim 18 (canceled).

Claim 19 (previously presented). The composition of claim 1, wherein the electromagnetic energy absorbed is radiofrequency.

Claim 20 (canceled).

Claim 21 (original). The composition of claim 1, wherein the biomolecule, the electromagnetic energy absorbing species or both undergo a change in state upon application of electromagnetic energy to said composition.

Claim 22 (original). The composition of claim 21, wherein the change in state is a cleaved bond or denaturation.

Claim 23 (original). The composition of claim 1, further comprising a liposome, said composition incorporated therein.

Claim 24-37 (canceled).

Claim 38 (currently amended). The composition of claim 1, wherein said biomolecule(s) comprise at least one protein, said composition further comprising a liposome wherein said protein(s) and said susceptor are incorporated therein.

Claim 39 (original). The composition of claim 38, further comprising a pharmaceutical incorporated into said liposome.

Claim 40-50 (canceled).